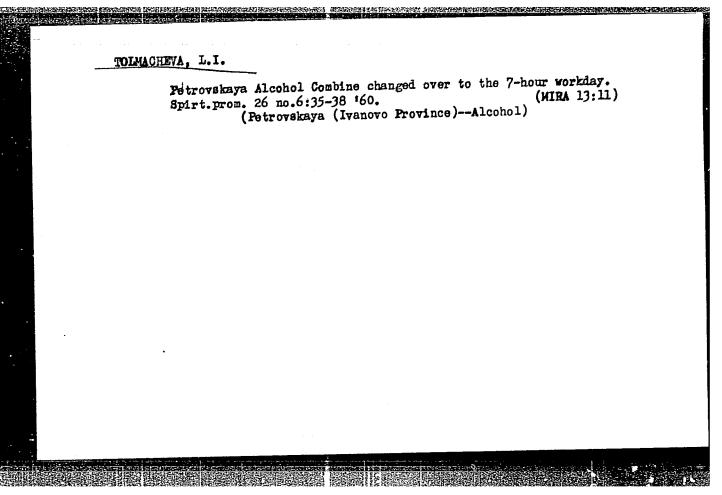
Eliminating inefficiency in the delivery of alcoholic beverages to Moscow Province. Spirt. prom. 27 no.6:33-34 '61. (MIRA 14:9)

(Moscow Province-Liquor industry)



ULIYANOYA, M.P.; TOLMACHEYA, L.L.: MOLOSTVOV, Ye.V.

Change-over to the 7-hour workday. Spirt.prom. 26
no.5:33-38 '60. (MIRA 13:7)

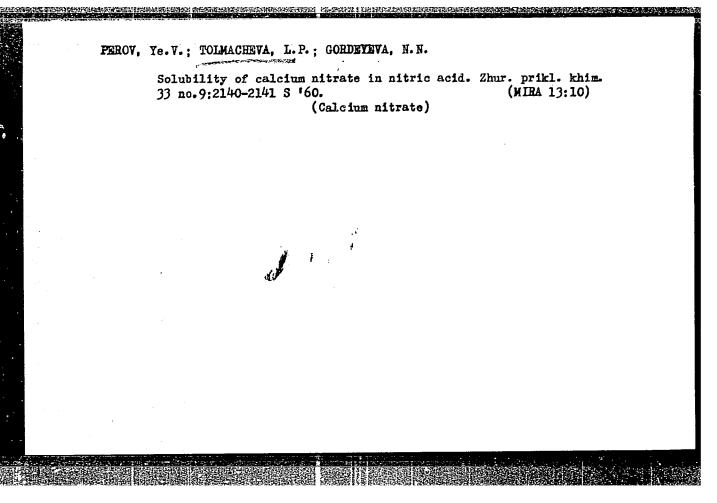
(Distilling industries) (Hours of labor)

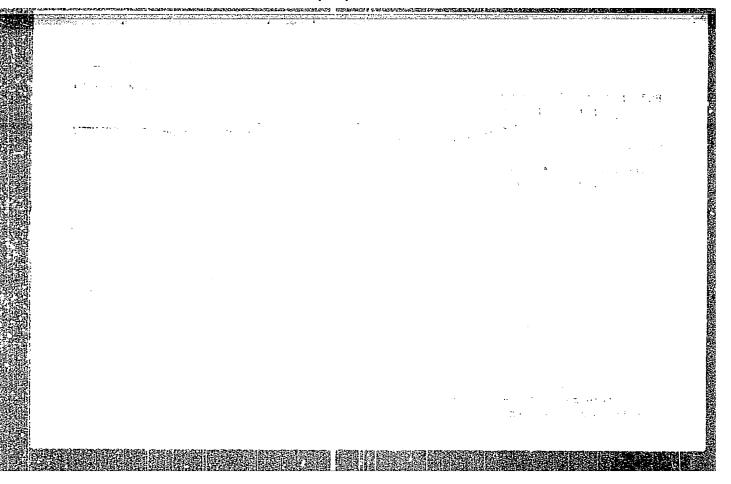
MOROZOV, M.P.; TOLMACHEVA, L.I.

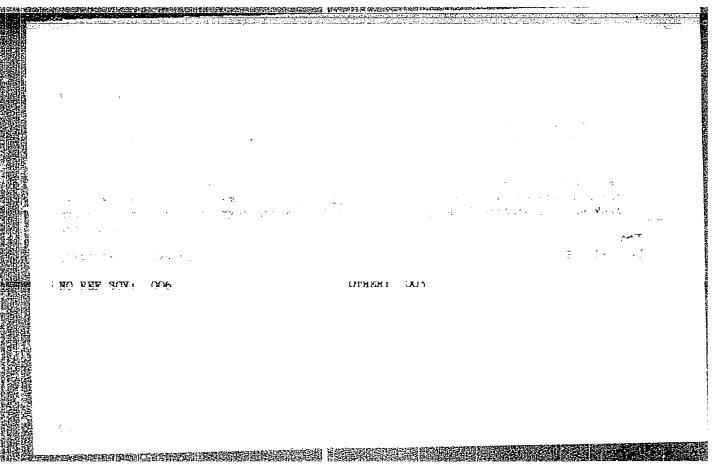
New wage-scale qualification handbook for enterprises of the alcohol, and liqueur and vodka industry. Spirt. prom. 25 no.7:48 '59.

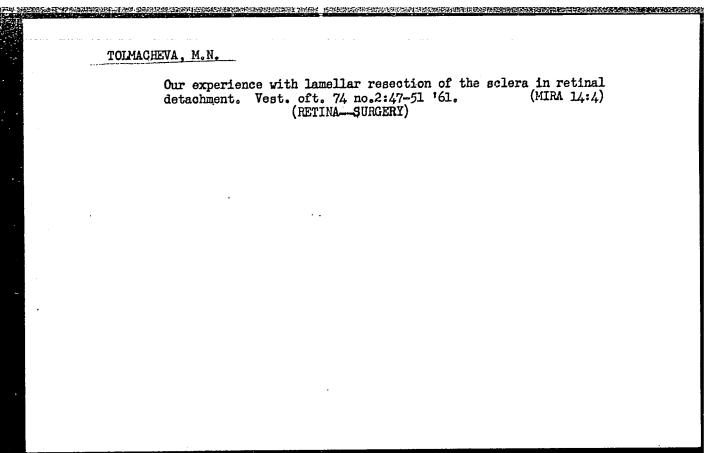
(Liquor industry)

(Liquor industry)









.TOLMACHEVA, M.N., GUL', V.Ye., DOGADKIN, B.A.

Mechanical properties of carbon-black stock at low temperatures. Part 1: Strength characteristics of carbon black-extended uncured rubber. Koll. zhur. 27 no.4:524-528 Jl-Ag 165.

(MERA 18:12)

1. Moskovskiy institut tonkcy khimicheskoy tekhnologić ineri M.V. Lomonosova i Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti. Submitted March 24, 1964.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110014-5"

EWF (j)/EWT (m)/T RM/WW L 14168-66 SOURCE CODE: UR/0374/65/000/005/0071/0077 ACC NR: AP6003941 60 AUTHOR: Rayevskiy, V. G. (Moscow); Tolmacheva, M. N. (Moscow); Makarskaya, L. V. (Moscow) ORG: none TITLE: Effect of physical state on the tear of amorphous polymers SOURCE: Mekhanika polimerov, no. 5, 1965, 71-77 TOPIC TAGS: polymer, amorphous polymer, copolymer, deformation temperature characteristic, temperature dependence, rupture strength ABSTRACT: The temperature dependence of the basic deformation characteristics and breaking point of the SKS-85 copolymer at tear in the interval of T < Tst to T > Tt has been investigated. The was determined that the total work of rupture of the polymer in the glass state is determined by the work of elongation. The total work of rupture of the polymer in the high elastic state is basically determined by the work of formation of tear surface. Orig. art. has: 5 figures. [Based on author's abstract]. 25Jan65/ ORIG REF: 005/ OTH REF: SUB CODE: 11,07/SUBM DATE: UDC: 678:539:4.019.1

14845-66 EWT(m)/EWP(j)/T/ETC(m)-6WW/RM ACC NR: AP6005828 (A) SOURCE CODE: UR/0374/65/000/006/0098/0162 AUTHOR: Rayevskily, V. G. (Moscow); Tolmacheva, M. N. (Moscow); Makarskaya, L. V. (Moscow) 76 ORG: none \mathcal{B} TITLE: Effect of physical state on the tear of filled systems based on linear amorphous polymers (44)50 SOURCE: Mekhanika polimerov, no. 6, 1965, 98-102 TOPIC TAGS: amorphous polymer, black copolymer, linear polymer, filler, polymer structure, rupture strength, temperature dependence, mechanical stress, thermal expansion, leat effect, material deformation ABSTRACT: The effect of temperature within the range T > TT to T < Tg on deformation, rupture, and rupture rate of the SKS-85 copolymer with channel black as a filler has been investigated. It was shown that the nature of curves describing the respective dependence does not differ from that obtained in tests of the SKS-85 unfilled copolymer. It was found that the introduction of black and chalk fillers increased the rupture strength of the polymer while in the high elastic state and decreased it while in the glass state. It is believed that the incapability of conventional fillers to reinforce polymers in the glass state UDC: 678:539.4.019.1

is a natural phenomenon. It is further assumed that the reversion of the reinforcement effect during transition from high elastic state to the glass state is caused by a sharp drop in adhesive strength joining						
from T	> Tr to	$T < T_o$. This	reduction	uring the cooling in adhesive some some contact zone some some some some some some some som	trength is	due to
differ	ence in the	hermal expans	sion coeff	icients of the gures. [Based	polymer ph	ase and
SUB CO	De: 07,11,40,	SUBM DATE:	15Mar65/	ORIG REF: 004		
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		la maraké da ka				

PANTIYELEV, Ya., kand. sel'skokhoz. nauk; TOLMACHEVA, N.

CONTROL OF THE PROPERTY OF THE

On the labor front. Zashch. rast. ot vred. i bol. 10 no.12: 3-5 '65. (MIRA 19:1)

1. Zamestitel' nachal'nika Lyuberetskogo upravleniya sel'skogo khozyaystva, Moskovskaya oblast' (for Pantiyelev). 2. Glavnyy agronom po zashchite rasteniy Lyuberetskogo upravleniya sel'skogo khozyaystva, Moskovskaya oblast' (for Tolmacheva).

KUZNETSOV, Yu.A.; MAKAROV, A.A.; MELENT'YEV, L.A.; MERENKOV,
A.P.; NEKRASOV, A.S.; TSVETKOV, N.I.; KUZNETSOV, Yu.A.;
MAKAROVA, A.S.; KARPOV, V.G.; MANSUROV, Yu.V.; SYROV,
Yu.P.; KHRILEV, L.S.; TSVETKOVA, L.A.; VOYTSEKHOVSKAYA,
G.V.; YEFIMOV, N.T.; LEVENTAL', G.B.; KHANAYEV, V.A.;
BELYAYEV, L.S.; GAMY, A.Z.; KARTELEV, B.G.; KRUMM, L.A.;
LIOPO, T.N.; SVIRKUNOV, N.N.; DRUZHININ, I.P.;
KONOVALENKO, Z.P.; KHAM'YANOVA, N.V.; SHVARTSBERG, A.I.;
NIKONOV, A.P.; STARIKOV, L.A.; FOPYRIN, L.S.; PSHENICINOV,
N.N.; TROSHINA, G.M.; CHEL'TSOV, M.B.; SVETLOV, K.S.;
SUMAROKOV, S.V.; TAKAYSHVILI, M.K.; TOLMACHEVA, N.I.;
KHASILEV, V.Ya.; KOSHELEV, A.A.; KUDINOVA, L.I., red.

[Methods for using electronic computers in the optimization of power engineering calculations] Metody primeneniia elektronno-vychislitel'nykh mashin pri optimizatsii energeticheskikh raschetov. Moskva, Nauka, 1964. 318 p.

(MIRA 17:11)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Energeticheskiy institut. 2. Chlen-korrespondent AN SSSR (for Melent'yev).

DIIENDIK, N.N., kand.sel'skokhoz.nauk; SAVCHENKO, agronom po zashchite rasteniy; MEZIN, A.F.; TOIMACHEVA, N.P., agronom po zashchite rasteniy (Moskovskaya obl.)

Letters to the editor. Zashch. rast. ot vred. i bol. 6 no.4:12 Ap '61. (MIRA 15:6)

l. Belorusskiy nauchmo-issledovatel'skiy institut lesnogo khozyaystva, g. Gomel' (for Dilendik). (Plants, Protection of)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110014-5"

TOLMACHEVA

Practices of the unit of the Bronnitsy Repair and Supply Station. Zashch.rast.ot vred.i bol. 4 no.4:6-7 Jl-Ag 159.

1. Nachal'nik otryada po bor'bes vreditelyami i boleznyami rasteniy Bronnitskoy rayonnoy traktornoy stantsii.

(Erennitsy District Spraying and dusting in agriculture)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110014-5"

TOLMACHEVA, N.S.

Desensitizing action of mepazine.Farmakol. toksik. 26 no.3: 291-297 My-Je'63 (MIRA 17:2)

1. Otdel khimioterapii (zav. - prof. A.M.Chernukh) Instituta farmakologii i khimioterapii AMN SSSR.

CHERNUKH, A.M.; TOLMACHEVA, N.S.

विक्रमान्त्रभार

On the effect of aminazine on the course of experimental pneumococcal infection and shwartzman phenomenon. Zhur. mikrobiol. epid. i immun. 31 no. 5:53-57 My 160. (MIRA 13:10)

1. Iz Instituta farmakologii i khimioterapii AMN SSSR.

(CHLORPROMAZINE) (ALLERGY) (PNEUMOCOCCAL INFECTIONS)

THE REPORT OF THE PROPERTY OF

ALEKSANDROV, P.N.; TOLMACHEVA, N.S.; YUSHCHENKO, N.A.

Effect of temperature factors on the concentration of tetracycline in the blood and organs of white rats. Antibiotiki 7 (MIRA 16:12)

1. Otdel khimioterapii (zav. - prof. A.M.Chernukh) Institute farmakologii i khimioterapii AMN SSSR.

VOYTOVETSKIY, V.K.; TOLMACHEVA, N.S.

Scintillating glasses with an increased light yield for the detection of neutrons. Atom.energ. 10 no.5:504 My *161.

(Neutrons) (Scintillation counters)

(MIRA 14:5)

22879 8/089/61/010/005/007/015

26.2263 AUTHORS:

Voytovetskiy, V. K., Tolmacheva, N. S.

TITLE:

Scintillation glasses with increased light yield for neutron

detection

PERIODICAL: Atomnaya energiya, v. 10, no. 5, 1961, 504

TEXT: It is known that the light yield of cerium activated luminescence glasses increases with the Ce(III) content. However, if such a glass is made in a neutral medium the Ce(IV) predominates leading to a coloring of the glass. The lithium silicate glasses with 0.01-0.015 cerium content were found to be optimal, for the effect of Ce(IV) became marked at higher cerium content. It could now be shown that if the glass is made in a reducing medium relatively large quantities of the activator can be kept in trivalent state; that is it was possible to increase the cerium content up to 0.1 without the appearance of color. The present "Letter to the Editor" is a report of these experiments. The glasses were made of especially pure materials (the Fe_2O_3 content was $\leq 10^{-3}$ %); the graphite powder mixture was added for reduction. The mass was heated in alundum Card 1/3

22879

Scintillation glasses with increased...

S/089/61/010/005/007/015 B102/B214

crucibles in the silicon carbide furnace at 1250-1270°C. In the course of one hour the temperature was increased to 1370-1400°C and melting was continued till glass was formed. For some compositions a temperature increase to 1460°C for a short time was necessary. Then the mass was pressed in cold forms so that disks 3.5-4 cm in diameter were obtained. These glasses were subjected to a thermal treatment at 500°C in a muffle furnace. The scintillation efficiency of thin Li₂0·3SiO₂·0.08Al₂O₃ glasses remained unchanged for cerium concentrations of 0.05-0.1 and amounted to NaI(T1) crystals. For glasses of 1 cm thickness the optimal content of cerium was 0.05-0.06. On scintillation excitation by the reaction products of thermal neutrons with Li^o of Li₂0·3SiO₂·0.08Al₂O₃·0.1CeO₂ glasses in scintillation counters a half width of the peak of 22.5% was reached. A

further increase of the scintillation efficiency can be obtained with more complicated compositions of the glasses, as, for example, 11 % of Li₂0·0.5Ca0·4Si0₂·0.13Al₂0₃·0.1Ce0₂. With increasing thickness of the glass the optimal content of cerium decreases and approaches the value

Card 2/3

22879

Scintillation glasses with increased...

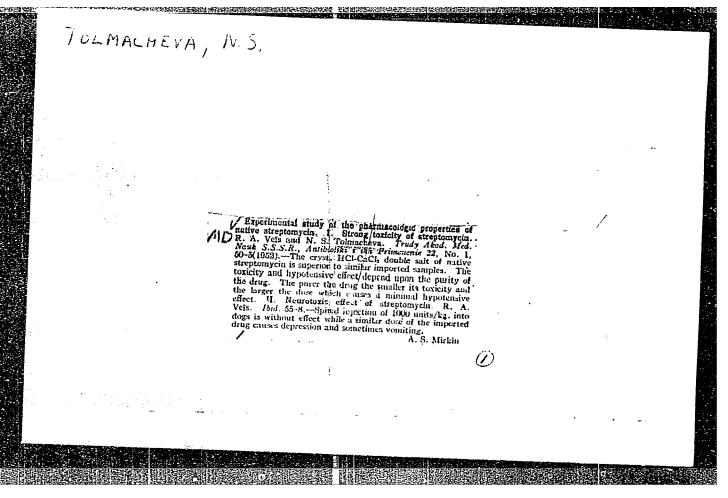
S/089/61/010/005/007/015 B102/B214

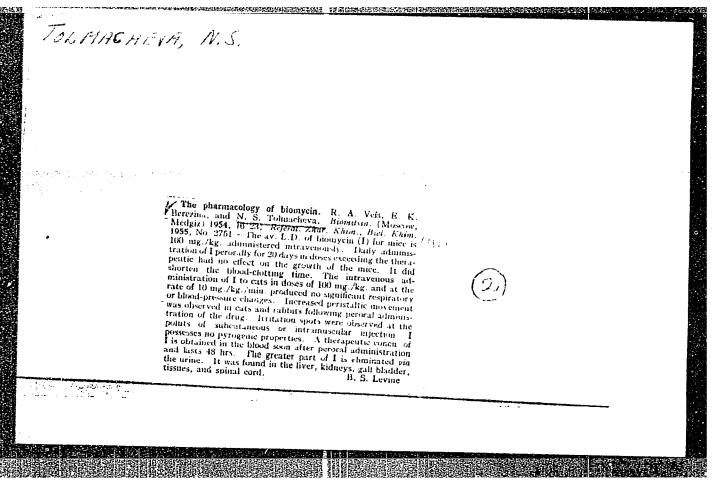
0.06. Finally the authors report on the results of Ref. 4 (on boron glasses in scintillation neutron detectors). There are 1 figure and 4 references: 3 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: Ref. 4: L. Bollinger, G. Thomas, R. Ginther. Rev. Scient. Instrum. 30, 1135 (1959).

SUBMITTED: August 1, 1960

Card 3/3

CIA-RDP86-00513R001756110014-5" APPROVED FOR RELEASE: 07/16/2001





TOLMACHEVA, N. S., VEYS, R. A. and BEREZINA, Ye. K.

"Material on the Pharmacology of biomycin," appears in TABCON of "Biomycin (Experimental Study and Clinical use of Biomycin," edited by A. F. Bilibin, Moscow 1954.

SO: Translation-417, Jun 21, 1955.

CIA-RDP86-00513R001756110014-5 "APPROVED FOR RELEASE: 07/16/2001

21(4) AUTHORS:

SOV/89-6-3-11/29

Voytovetskiy, V. K., Tolmacheva, N. S., Arsayev, M. I.

TITLE:

A Scintillating Glass for Detecting Slow Neutrons (Stsintillyatsionnoye steklo dlya detektirovaniya medlennykh neytronov)

PERIODICAL:

Atomnaya energiya, 1959, Vol 6, Nr 3, pp 321 - 326 (USSR)

ABSTRACT:

The composition and the activator of a scintillating glass must be chosen in such a way that their spectra are within the range of maximum sensitivity of the photomultiplier and do not intersect with the absorption spectrum. A series of

glass types was produced (Li20.Sio2, Li20.2Sio2, 1/2 Li₂0.1/2 Na₂0.2SiC₂, 1/2 Li₂0.1/2 K₂0.2SiO₂, 1/3 Li₂0.

.4/2Rb20.2Si02, Li20-Ca0.2Si02) which were activated with Ce.

Glass of the type $\text{Li}_2\text{O.2SiO}_2$ proved to be the most convenient if it was activated with 2 mol-% Ce. The glasses we a pro-

duced in the following way: carbonic acid salts of Li, Ca, Na, K, Rb, and SiO, were mixed at certain weight proportions and a titrated solution of trivalent Ce(CeCl3) was added to

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APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110014-5"

A Scintillating Glass for Detecting 31ow Neutrons

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SOV/89-6-3-11/29

this mixture. Furthermore, distilled water was added to this mixture until a viscous mass formed which was triturated in a porcelain crucible during one hour. Then the mass was dried at 100°C and annealed for 20 min at 800°C. The production of the enamel which followed was made in a corundum container at a temperature of from 1250-1300°C. After about 2-3 hours the enamel had become transparent. It was poured into a cold metallic mold and the disk-shaped pieces of glass thus produced were after-treated in a muffle furnace heated to 500°C during 30 minutes. The scintillating efficiency of the types of glass . due to electron excitation - was measured by a comparison with the scintillating efficiency of a NaJ(T1) crystal in a scintillation-Compton spectrometer. In this connection the efficiency of the glass is 1.4% of the NaJ(T1)-crystal. The ratio between the scintillation yields of electrons and α -particles was measured 3.8 - 4. Luminescence of a scintillation flash is about 0.15 µsec. If the glass has a thickness of 1 mm and contains lithium enriched with Li6 to 90.5% it has an efficiency of 82% for thermal neutrons. If the glass is 5 mm thick its efficiency

Card 2/3

A Scintillating Glass for Detecting Slow Neutrons

SOV/89-6-3-11/29

decreases to 40% in the detection of 10 ev-neutrons. The sensitivity of glass to fast neutrons is low and attains an optimum efficiency of 0.05% at a thickness of 1 mm of the glass. Z. M. Karpova assisted in the production of the glass samples. There are 9 figures, 1 table, and 11 references, 5 of which are Soviet.

SUBMITTED:

October 25, 1958

Card 3/3

21(1), 21(8) 50V/89-6-4-13/27

AUTHORS: Voytovetskiy, V. K., Tolmacheva, N. S.

TITLE: Lithium Silicate Scintillation Glasses for the Detection of Slow Neutrons (Litiy-silikatnyye stsintillyatsionnyye stekla

dlya detektirovaniya medlennykh neytronov)

PERICDICAL: Atomnaya energiya, 1959, Vol 6, Nr 4, pp 472-474 (USSR)

ABSTRACT: From the results obtained by the previous paper (Ref 1) it was to be expected that by an increase of the acid component in the Li O SiO (Co) glasges their scientification constitution.

in the Li₂0₃.SiO₂(Ce)-glasses their scintillation sensitivity in wide ranges could be increased. It was found that in the

case of a high silicon oxide content the lithium-silicate

compounds in the glass-forming state are not stable (LiO2.3SiO2(Ce) already opalesces). The addition of other

glass-forming substances such as phosphorus or boron causes no increase of the light yield. In glass of the type Lio, 3Sio,

additions of Al₂0₃ in different quantities were tried out.

At a 0.08 M Al₂0₃ concentration a maximum scintillation effect

is observed (the yield curves are given). For a glass of the type Li₂0.3SiO₂.0.08 Al₂O₃(Ce) having a thickness of 0.2 cm

SOV/89-6-4-13/27 Lithium Silicate Scintillation Glasses for the Detection of Slow Neutrons

the scintillation efficiency is higher by 3% than in the case of a NaJ(T1)-crystal. Ce-concentration was varied within a range of from 0.01 to 1.015 CeO₂. The dependence of the degree of efficiency of scintillation of the thickness of the glass shows that the increase of the SiO₂-content leads to the production of opaque glasses, whereas an addition of aluminum oxide increases not only the light yield but also the degree of transparence. By means of the scintillator LiO₂.3SiO₂.0.08 Al₂O₃ (Ce) (in connection with the multiplier FEU-S) the differential-amplitude spectrum of a Po+Be-neutron source was recorded. A similar recording was made for a neutron beam emitted from a reactor, in which case the lithium in the scintillator consisted of 90.5% LiO₂. The efficiency of this glass with respect to a thermal neutron flux inciding vertically upon the scintillator attains an amount of 90%. There are 5 figures and 2 Soviet references.

SUBMITTED:

September 20, 1958

Card 2/2

S/016/60/000/05/16/079

AUTHORS:

Chernukh, A.M., and Tolmacheva, N.S.

TITLE:

The Effects of Aminazin on the Course of Experimental Pneumococcal Infection and the Schwartzmann Phenomenon

PERIODICAL:

Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1960,

No. 5, pp. 53 - 57

TEXT: The effects of aminazin on infectious aseptic and allergic inflammations were studied by injecting aminazin intramuscularly into rabbits, previously infected with Pneumococcus Type 1. Aminazin aggravated the clinical course of the illness and increased the mortality rate from the pneumococcal infection. However, amina in had no effect on the pneumococcal process in white mice. Aminazin inhibited the first stage of the aseptic inflammatory reaction in rats, but in the later stage the disease turned chronic. An injection of 20 mg of aminazin per kg of body weight led to a much weaker Schwartzmann phenomenon than in the control animals. After 40 mg/kg the Schwartzmann phenomenon could not be detected macroscopically. The probable reason is that aminazin inhibits

Card 1/2

8/016/60/000/05/16/079

The Effects of Aminazin on the Course of Experimental Pneumococcal Infection and

the changes in the vascular permeability which are characteristic of the inflammatory process. There are 4 tables and 11 references, 4 of which are Soviet, 1 English, 4 German, and 2 French.

ASSOCIATION: Institut farmakologii i khimioterapii AMN SSSR (Institute of Pharmacology and Chemiotherapy of the AMN, USSR)

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

SUBMITTED: July 1, 1959

Card 2/2

BRODSKIY, A.Ya., kand.tekkhn.nauk; TOLMACHEVA, N.V., inzh.

nearly responding to the second supplication has easilised in the property of each property of the property of

Weldability of low-alloy 15 GS manganese steel. Prom. strci. 40 no.3:47-54 '62. (MIRA 15:3)

l. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Akademii stroitel'stva i arkhitektury SSSR.

(Manganese steel) (Welding research)

and the state of the second L 9653-66 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(z)/EWP(b) __MJW/JD AP5027602 SOURCE CODE: UR/0135/65/000/011/0022/0024 'AUTHOR: Tolmacheva, N. V. (Engineer); Brodskiy, A. Ya. (Candidate of technical 46 sciences) ORG: TeNIISK im. V. A. Kucherenko TITLE: Weldability of thermally hardened 10G2S low-alloy steel 44,55,18 SOURCE: Svarochnoye proizvodstvo, no. 11, 1965, 22-24 TOPIC TAGS: weldability, steel, metal hardening, material fracture, metal aging, impact strength / 10G2S steel ABSTRACT: The results of a study of the weldability of 10G2S low-alloy steel (0.1% C, 1.3-1.43% Mn, 1.0% Si, 0.023% S, 0.022-0.024% P, 0.12% Cu, 0.05-0.08% Cr, 0.06-0.08% Ni) are presented. The steel was first rolled into 12, 20 and 30 mm thick sheets and heat-treated (water quenching from 910-900°C with subsequent high-temperature tempering). Owing to thermal hardening, the ultimate strength of the steel was increased by 6%; yield point, by 20%; and impact strength, by 34-57%; and the critical temperature of cold brittleness dropped below - 60°C; in addition, proneness to aging decreased. The following factors of the steel's weldability were investigated: optimal linear energy of the welding arc, proneness of workhardened steel to aging in the zone of thermal influence, local variations of yield point and impact Card 1/2 UDC: 621.791.011:669.15-194

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ACC NR: AP5027602

toughness in the zone of thermal influence in the butt-welded joint, and the proneness of steel in the zone of thermal influence to brittle fracture the the presence
of natural and artificial stress concentrators. The welding and testing procedure is
N. V. In coll: Issledovaniya po metallicheskim konstruktsiyam, Gosstroyizdat, 1961;
and Issledovaniya po stal'nym konstruktsiyam, Gosstroyizdat, 1962). The overall weldwith the results of analogous tests for the base metal (in thermally hardened and
hot-rolled state) as well as with official standards. Findings: the optimal linear
energy of the welding arc for this steel is 5-10 kcal/cm. If the cooling rate of the
yield limit) remain acceptable. Resistance to aging and to brittle fracture in the
thermally hardened 10G2S steel than for hot-rolled steel of the same kind. B55A-type
electrodes may be recommended for the welding of thermally hardened 10G2S steel. Orig.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 001

Cord 2/2

BRODSKIY, A.Ya., kand. tekhn.nauk; TOIMACHEVA, N.V., inzh.

Weldability of thermally hardened St.3kp steel. Svar.prcizv.
no.12:11-15 D '64. (MJRA 18:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh

konstruktsiy im. V. A. Kucherenko Gosstroya SSSR.

BRODSKIY, A.Ya., kand.tekhn.nauk; TOIMACHEYA, N.V., inzh.

Investigating the weldability of nickel-free 1462, 14khGS, and 1563 low-alloy steel. Trudy TSNIISK no.4:134-210

(MIRA 15:2)

(Steel alloys-Welding)

BRODSKIY, A.Ya., kand.tekhn.nauk; TOLMACHEVA, N.V., inzh.

Grade 1503 low-alloy silicon-manganese steel for welded structural elements. Trudy TSNIISK no.13:232-247

'62. (MIRA 15:11)

(Steel, Structural—Testing)

ERODSKIY, A. Ya., kand. tekhn. nauk; TOIMACHEVA, N. V. insh.

ALINESSE PROTECTION CONTROLLED TO SECURIO DE CONTROLLE SE SECUE DE CONTROLLE SE SECUE DE CONTROLLE SE SECUE DE

Automatic welding under flux of insertion pieces for sectional reinforced concrete constructions. Svar.proisv. no.11:28-31 N (MIRA 15:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Akademii stroitel'stva i akrhitektury SSSR.

(Concrete reinforcement—Welding)

ERODSKIY, A.Ye.; TOLMACHEVA, N.V.; ROMVARI, P.

Softening of heat-treated structural steel. Metalloved.:
term. obr. met. no.8:47-49 Ag '64. (MEA 17:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy i Budapeshtskiy politekhnicheskiy institut.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110014-5"

ORIOV, V.; AGAFONOVA, Z.; GUDAKOVA, V., starshiy nauchnyy sotrudnik; TOLMACHEVA, Q., starshiy nauchnyy sotrudnik

THE PROPERTY OF THE PROPERTY O

Timely disinfection of seed. Zashch. rast. ot vred. i bol. 10 no.1:15-17 65. (MIRA 18:3)

1. Direktor Kurskoy sel'skokhozyaystvennoy opytnoy stantsii (for Orlov). 2. Zaveduyushchaya laboratoriyey Kurskoy sel'skokhozyaystvennoy opytnoy stantsii (for Agafonova). 3. Kurskaya sel'skokhozyaystvennaya opytnaya stantsiya (for Gudakova, Tolmacheva).

AFFTC/ASD EWP(q)/EWT(m)/BDSL 19324-63

ACCESSION NR: AR3005871

5/0271/63/000/007/2037/2037-

SOURCE: RZh. Avtomatika, telemekhanika i vy*chislitel'naya tekhnika, Abs. 7 Bl90

AUTHOR: Dement'yev, S. K.; Litvinchuk, V. I.; Polina, T. V.; Tolmacheva, R. F.

TITE; An experimental investigation of oscillating regions in a magnetic film parametron

CITED SOURCE: Sb. Vy*chisl. sistemy*. Vy*p. 2. Novosibirsk, 1962, 52-57

TOPIC TAGS: parametron, computer component

TRANSLATION: The parametrons investigated here consisted of a circular Permalloy film/with a diameter of 1 cm deposited on a glass base layer with dimensions $18 \times 18 \times 0.1$ mm; a one-layer inductive winding (10 turns of 0.09 mm wire) wound on a frame with a cross section of 35 x 1.4 mm; also a capacitor with a capacitance of 2100 micro-microfarads. The parametrons were placed in a cavity between two buses which set up the inductance of the power supply circuit; the circuit was adjusted to resonance by means of the capacitor. The permanent and variable magnetic fields-set up by corresponding currents in the power buses were directed along the axis of easy magnetization of the films. In the experiments the parametron film was

Card . 1/2

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L 19324-63 ACCESSION NR: AR3005871

subjected to the action of a variable field with a frequency of 2f = 4.3 mc, the amplitude of which was modulated by a frequency of 50 cps. The value of the permanent field acting on the film along with the variable field could be changed. A produced parametric oscillations with frequency f. As shown by results from measurements, oscillations existed when there were changes in the amplitude of the changes of $\pm 45\%$ in the permanent field; a noticeable decrease in parametric oscillating regions occurred with a change of 6% in the power frequency from the resonance frequency corresponding to the maximum oscillating region. There are

DATE ACQ: 15Aug63

SUB CODE: GE, CP

ENCL: 00

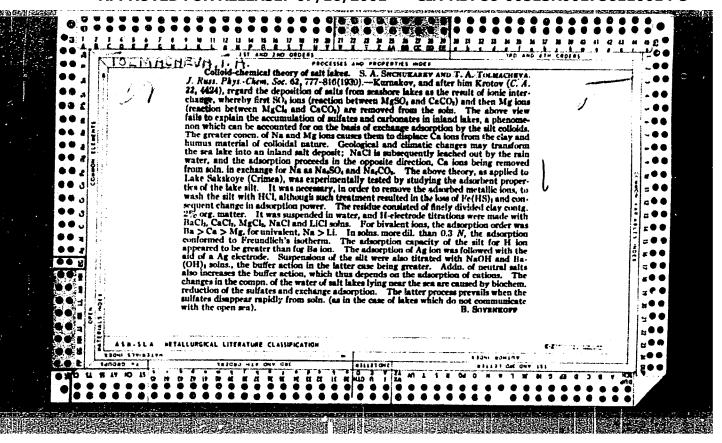
Card 2/2

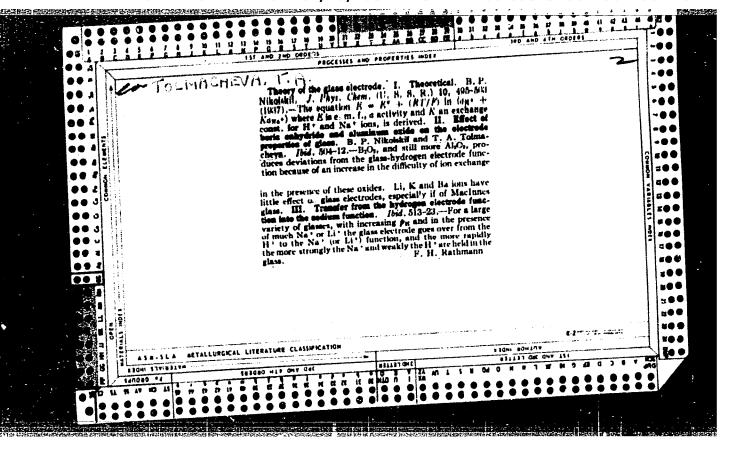
APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110014-5"

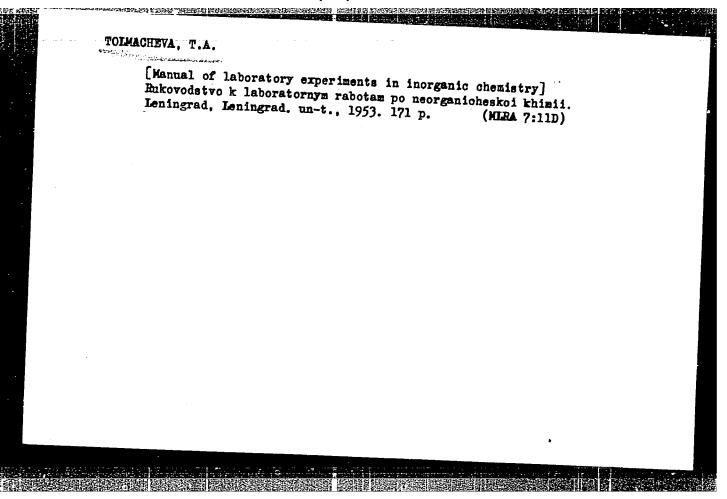
DEMENT'YEV, S.K.; LITVINCHUK, V.I.; POLINA, T.V.; TOIMACHEVA, R.F.

Experimental study of the areas of oscillation in a parametron using a magnetic film. Vych. sist. no.2:52-57 '62.

(HIRA 18:2)







TOLMACHEVA, T.A.: ORANSKAYA, M.A.

Thermal stability of cobalt and nickel halides. Zhur.ob.khin.24 no.12:2093-2109 D '54. (MERA 8:3)

1. Leningradskiy gosudarstvennyy universitet. (Halides)

USSR/ Physical Chemistry - Thermodynamics. Thermochemistry. Equilibrium. Physicochemical analysis. Phase transitions

B-8

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11143

-11. HOMELH, T. A.

Author

: 1. Shukarev S.A., Tolmacheva T.A., Oranskaya M.A., Komandorskaya L.V. Shchukarec S.A., Oranskaya M.A., Shemyakina T.C.

Title

Thermal Dissociation of Platinum Hakides. Communication 1. Platinum Bromides. Communication 2. Platinum Chlorides.

Orig Pub : Zh. neorgan, khimii, 1956, 1, No 1, 8-16; 17-23

Abstract : 1. Statistical method of F. Ephraim (Ber., 1917, 50) 1069) was used to investi-

gate temperature dependence of thermal dissociation of PtBr4 (I), PtBr3 (II), PtBr2 (III) and PtBr (IV). Scheme of the unit is described. Data obtained are represented as lg P - 1/T graphs. From the slope of the

straight lines were determined equations of dependence of dissociation pressure on temperature, for I lg P - 7.809 - (4549/T0, II lg P- 7.195 - (4608/T), III, lg P = 6.064 - (5123/T) and IV lg P = 4.755 - (4679/T). Calculated therefrom were the values of $P_{\rm Br}$ 2, at 10° intervals, for I (over range 200-280°), II (280-390°), III (420-500° and IV (460-510°) which are tabulated. By using these data calculations were selected as

are tabulated. By using these data calculations were made of the values of

Card 1/3

USSR/ Physical Chemistry - Thermodynamics. Thermochemistry. Equilibrium. Physicochemical analysis. Phase transitions

B-8

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11143

Card 2/3

USSR/ Physical Chemistry - Thermodynamics. Thermochemistry. Equilibrium.
Physicochemical analysis. Phase transitions

B-8

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11143

demonstrated the actual existence of each substance. Experimental data for the reactions $2PtCl_n = 2PtCl_{n-1} + Cl_2$ are expressed by the equations $lg\ P_{Cl_2} = A - (B/T)$, wherein A and B are: for n = 4, 9.04, 6267.5; n = 3, 8.42, 6363.1; n = 2, 10.59, 9131.1; n = 1, 4.36, 5114.9. On the basis of the data obtained and those found on the literature an analysis is made of the dependence of isobaric potential of the valency is discussed. It is shown that at low temperatures ($< 600^{\circ}$) VIII must undergo exothermal disproportionation.

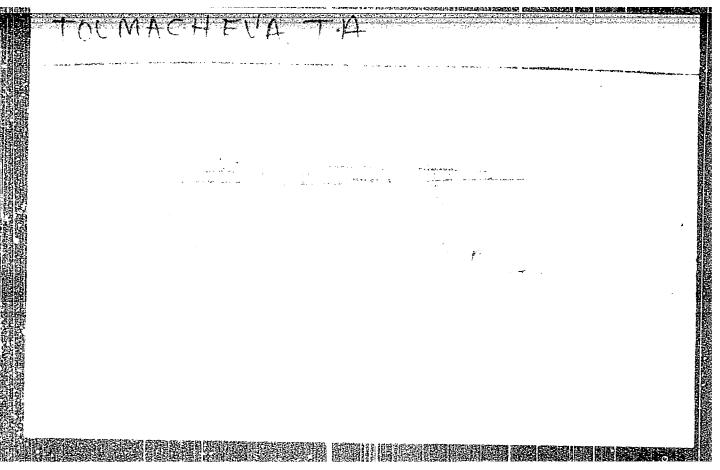
Card 3/3

SHCHUKAREV, S.A.; ORANSKAYA, M.A.; TCHACHEVA, T.A.; YAKHKIND, A.K.

Saturated vapor pressure of vanadium tetrachloride. Zhur.neorg.khin.l
no.1:30-35 '56.

(Vanadium chlorides)

(Vanadium chlorides)



TOLMACHEVA, T.A.; ANDRINOVSKAYA, T.L.

Vapor pressure of cadmium iodide and cadmium browlde. Vest.
LGU 15 no.10:131-136 '60. (MIRA 13:5)

(Cadmium iodide) (Cadmium browlde) (Vapor pressure)

SHCHUKAREV, S.A.; ORANSKAYA, M.A.; TOLMACHEVA, T.A.; IL'INSKIY, Yu.S.

Thermal dissociation of vanadium dichloride. Zhur.neorg.khiu.
5 no.1.9 11 Ja '60. (MIRA 13:5)

(Vanadium chloride)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001756110014-5 HITELESCENCE STREET, S , OLMACHEVA, USSR/Physical Chemistry. Equilibria, Physical-Chemical Analysis, Phase Transitions. Abs Jour: Ref Zhur-Khimiya, No 5, 1957, 14645 Author S. A. Shchukarev, M. A. Oranskaya, T. A. Tolmacheva, Inst Title Pressure of Saturated Vapor of Vanadium Tetrachloride Orig Pub: Zh. neorgan. khimii, 1956, 1, No 1, 30-35 Abstract: The purpose of the work is to check the previously ob-The purpose of the work is to check the previously obtained data (Simons J. H., Powell M. G., J. Amer. Chem. Soc., 1945, 67, 75) and to enlarge the temperature range somewhat. VCl4 was prepared by chlorinating aluminothermic V. A scheme of the chlorination installation is attached, the method of work is described. The pressure of the saturated vapor Processing was determined by the flow of the saturated vapor PVC14 was determined by the flow method permitting to compute the partial pressures of VC14 and Cl2 separately. Dried and purified N2 was used as a gas inert in reference to VCl4. PVCl4 was determined in Card 1/2

JSSR/Physical Chemistry. Thermodynamics, Thermochemistry Equilibria, Physical-Chemical Analysis, Phase Transitions.

Abs Jour: Ref Zhur-Khimiya, No 5, 1957, 14645

the range from 0° to 90°. The following was found based on the experimental data: $logPvcl_4(mm) = -(2174 / T) + \frac{1}{2}$ Abstract: 5.19; $L = 9.9 \pm 0.1$ kcal per mole; \triangle S (vap.) = 23.8 entr. units. The checking of the data by the method of measuring the vapor pressure by boiling points within the range from 25 to 850 resulted in following values: log Pvcl4 = = -(2185 / T) + 5.21; L = 10.0 \pm 0/1 kcal per mole, Δ S concordance of the results of both these methods that VC14

Card 2/2

S/054/60/000/02/16/021 B022/B007

AUTHORS:

A., Andrinovskaya, T. L.

TITLE:

The Vapor Pressure of Cadmium Iodide and Cadmium Bromide

PERIODICAL:

Vestnik Leningradskogo universiteta. Seriya fiziki i khimii,

In connection with the investigation of the thermodynamics of the halides of elements of the auxiliary subgroups, a number of investigations is being carried out for the purpose of determining the pressure of the thermal dissociation and the vapor pressure of these compounds at the kafedra neorganicheskoy khimii Leningradskogo universiteta (Chair of Inorganic Chemistry of Leningrad University). The present paper deals with the investigation of the vapor pressure of cadmium iodide and -bromide. An analytical method for the quantitative determination of I2 and I- with both iodides being present is worked out. The vapor pressure of CdI2 was measured at 454, 492, 530, 564, 600, and 652°C. The results obtained are given in Table 1, and the dependence of the logarithm of cadmium iodide-

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The Vapor Pressure of Cadmium Iodide and Cadmium Bromide

S/054/60/000/02/16/021 B022/B007

and cadmiumbromide vapor pressure on the reciprocal temperature value is given in Fig. 1. The mean values $\triangle H$ and $\triangle S$ were calculated with reference to the mean temperatures of each interval (Table 2). The vapor pressure of CdBr₂ at 462, 537, 570, 600, and 624°C was calculated (Table 3), and the logarithms of the vapor pressure of various halides of cadmium at 600°C were given (Fig. 2). In all cases the gas current gated, the thermal dissociation of both CdI₂ and CdBr₂ is insignificant. From the values found for vapor pressure, the mean values of the enthalpy temperature of the evaporation and the sublimation of CdBr₂ within the

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temperature ranges investigated, and finally the melting point of CdBr₂ which are Soviet.

Card 2/2

5 (2), 5 (4)

AUTHORS:

Shchukarev, S. A., Oranskaya, M. A., Tolmacheva, T. A.,

TITLE:

Thermal Dissociation of Vanadium Dichloride

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1960, Vol 5, Nr 1, pp 8 - 11

ABSTRACT:

Publications give different data for the formation enthalpy ΔP of VCl_2 . The authors report on their indirect determination of ΔP by investigation of the equilibrium of VCl_2 reduction by means of H at 750° , 775° , 800° , and 825° . The method is described in references 9,10. The experiments lasted for 100-200 hours Table 1 shows the values of the dissociation pressure of VCl_2 . Figure 1 shows the linear dependence of P contraction problem on P and P and P and P are shown in table 2. The value found for P is in good agreement with that assumed by the U.S.A. Bureau of Standards. Figure 2 and table 3 show the opposite behavior of

Card 1/2

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"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110014-5 2004年1月1日 12月1日 1

Thermal Dissociation of Vanadium Dichloride

sov/78-5-1-2/45

the dissociation enthalpy on the one hand and of the sum of the two ionization potentials and the sublimation energy on the other hand in the case of elements with the atomic numbers 21 - 30. There are 2 figures, 3 tables, and 18 references,

SUBMITTED:

October 27, 1958

Card 2/2

SHCHUKOREV, S.A.; ORANSKAYA, M.A.; TOLMACHEVA, T.A.; VANICHEVA, L.L.

Thermal dissociation of gold bromides. Zhur. neorg. khim. 3
no.7:1478-1482 J1 '58.

(Gold bromides)

(MIRA 11:9)

AUTHORS:

Shchukarev, S.A., Oranskaya, M.A., Tolmacheva, T.A., Vanicheva, L.L.

SOV/ 78-3-7-2/44

TITLE:

The Thermal Dissociation of Gold Bromide (Termicheskaya

dissotsiatsiya bromidov zolota)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1958, Vol. 3, Nr 7, pp. 1478-1482

ABSTRACT:

In the course of the present work the dissociation of AuBr; in the temperature interval 350-450 oK was investigated according to two static methods: with the isoteniscope and with the isoteniscope with glass membranes. Gold bromide is produced by the action of bromine upon pulverized gold. In connection with this dissociation it was found that disintegration develops with the forming of AuBr and the oxidation of monobromide. For the dissociation of AuBr, it holds that: $lg P_{Br_2}=8.99 - \frac{4052}{T} (360-450 \text{ K})$

ociation of AuBr it holds that: and for the

 $\lg P_{Br_2} = \frac{3532}{T}$ (360-450°K). On the strength of the results

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obtained the enthalpy and enthropy of the formation of AuBr and

The Thermal Dissociation of Gold Bromide

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AuBrz were calculated for the interval of 350-450°K. The temperature dependence of the energy liberated during the formation of gold halides is given. Radiograms of gold, AuBr and AuBrz were taken. During the dissociation of gold monobromide the lines of gold and not disintegrated AuBrz were detected in the samples. It was confirmed by Debyegrams that AuBr is dissociated at low temperatures. It was shown that at temperatures below 325°K AuBr is disproportionated to AuBrz and Au, and that at room temperatures it exists only in a metastable state. There are 2 figures, 5 tables, and 10 references, 4 of which are Soviet.

SUBMITTED:

June 1, 1957

1. Gold bromide--Decomposition 2. Gold bromide--To provide factors 3. Gold bromide--Preparation - 4. Radiography--Applications

Card 2/2

SHCHUKAREV, S.A.; TOIMACHEVA, T.A.; PAZUKHINA, Ku.L.

Dissociation pressure of palladium iodide. Zhur. neorg. khim.
9 no.1122507~2510 N *64

1. Leningradskiy gosudarstvennyy universitet, Kafedra neorganicheskoy khimii.

SECHUKAREV, S.A.; TOLMACHEVA, T.A.; SLAVUTSKAYA, G.M.

Thermal dissociation of platinum iodides. Zhur. neorg. khim.
9 no.11:2501-2506 N '64 (MTRA 18:1)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova,

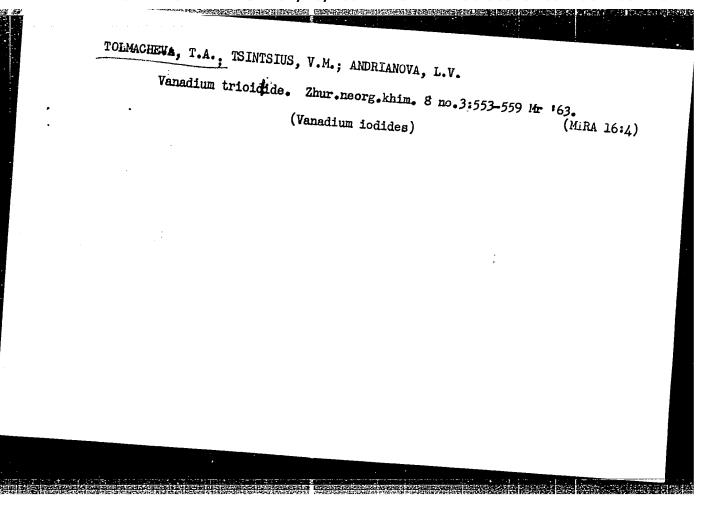
Kafedra neorganicheskoy khimii.

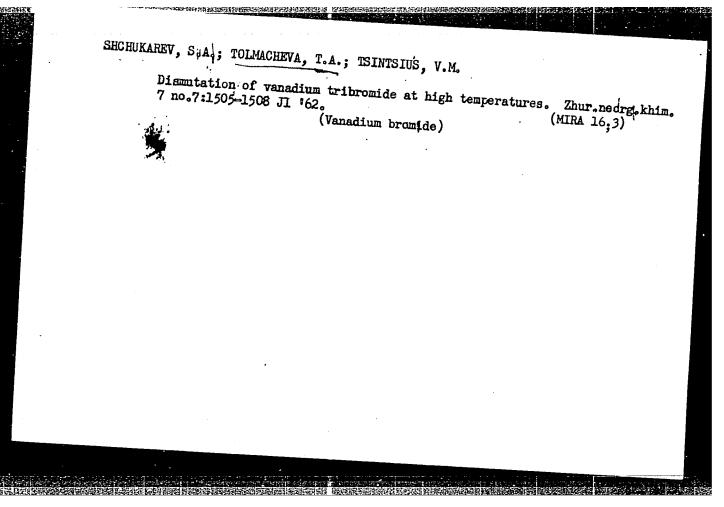
SHONE THEY, Sergey Aleksandrovich; Tolmachevi, T.A., otv. red.;

PLASTRG, V.D., red.

[Lectures in general chemistry] Lektsii po obshchema kursu khimii. Leningrad, Izd-vo Leningr. univ. Vol.2. 1964. 449 p.

1. Eafedra reorganicheskoy khimii Leningradskogo gosudarstvennogo universiteta (for Tolmacheva).





\$/078/63/008/003/001/020 B117/B186

AUTHORS:

Tolmacheva, T. A., Tsintsius, V. M., Andrianova, L. V.

TITLE:

Study of vanadium triiodide

PERIODICAL:

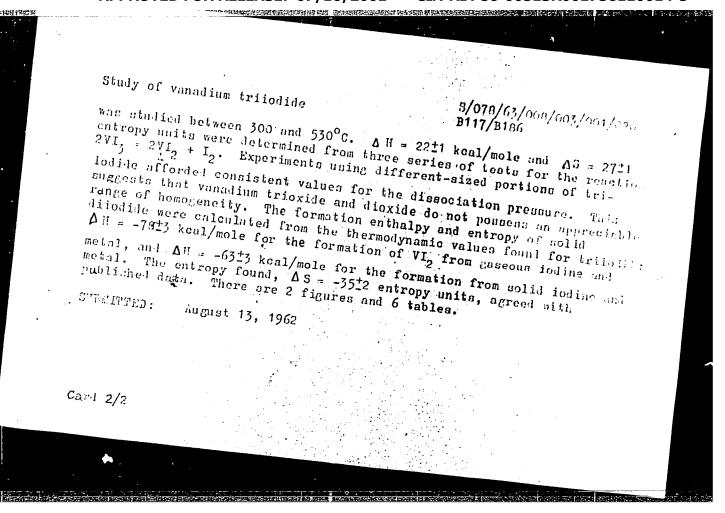
Zhurnal neorganicheskoy khimii, v. 8, no. 3, 1963, 553-559

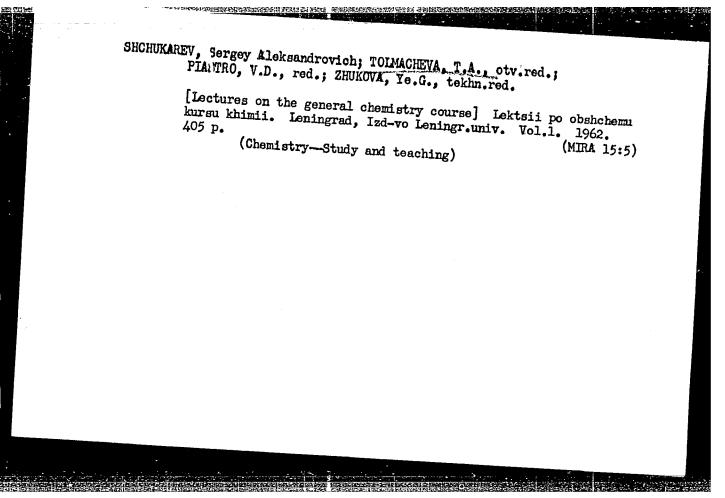
TEXT: The formation enthalpy of vanadium triiodide was studied by the solubility method in a calorimeter at 25°C using 0.4 N alkali solution with 0.018 N hydrogen peroxide. An average of $\Delta H = -143.021.0 \text{ kcal/mole}$ was found for the system $VI_3 + 4KOH + 2H_2O_2$. The enthalpy of the system 1/2 $V_2O_5 + 3KI + KOH + H_2O_2$ was also determined. Its mean value was -7.7 ± 0.1 kcal/g-atom vanadium. The values found for the solubility were used to calculate the formation enthalpy of solid vanadium triiodide. It was -67±2 kcal/mole for formation from metallic vanadium and solid iodine, and -89±2 kcal/mele for formation from metal and gaucous iodine. The entropy of formation of vanadium triiodide from metal and paucous indine was calculated: $\Delta S = -48.5\frac{+3}{2}$ entropy units. Further, the dissociation of vanadium triiodide to solid diiodide and gascous in line

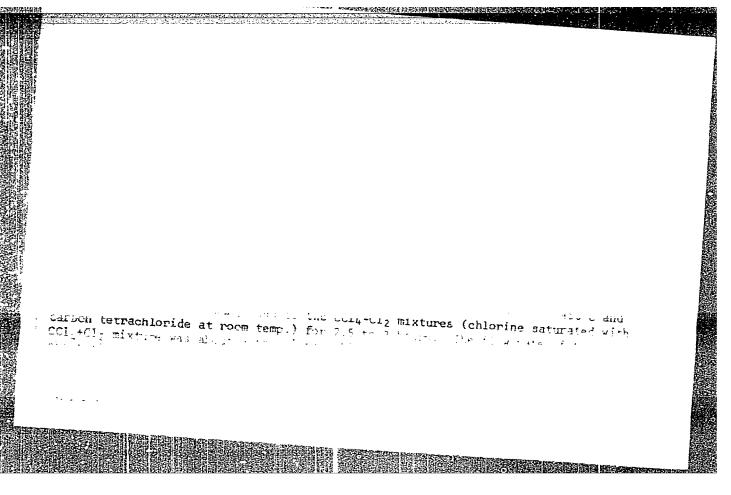
Card 1/2

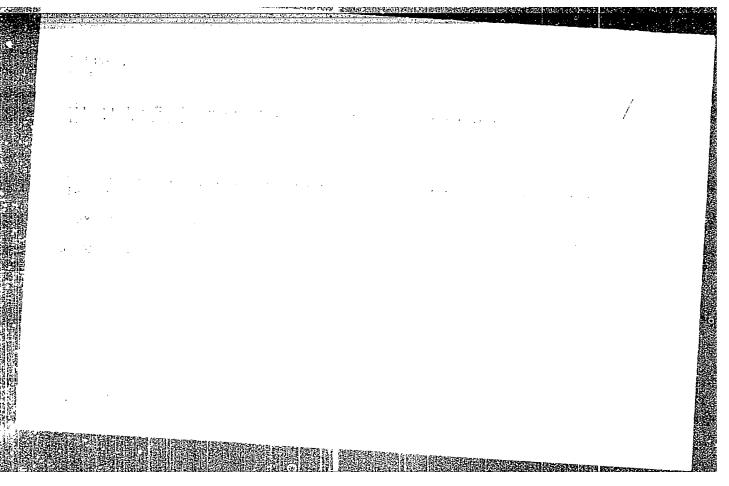
CIA-RDP86-00513R001756110014-5"

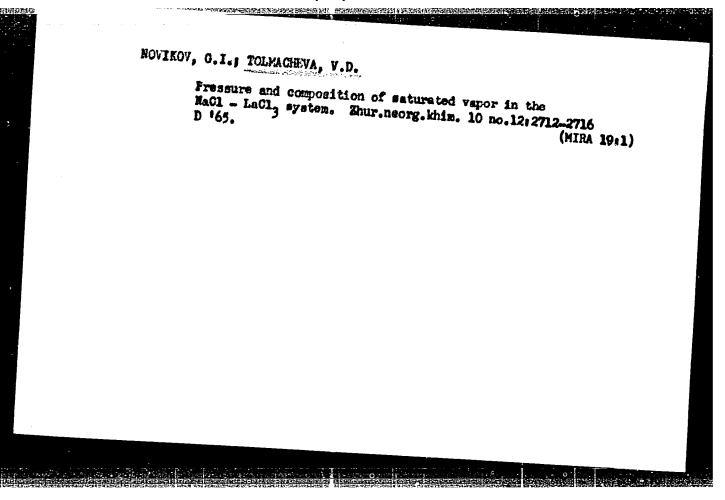
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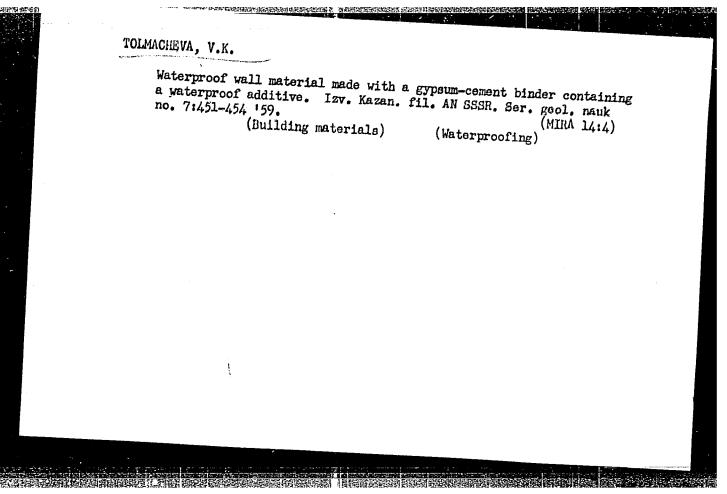










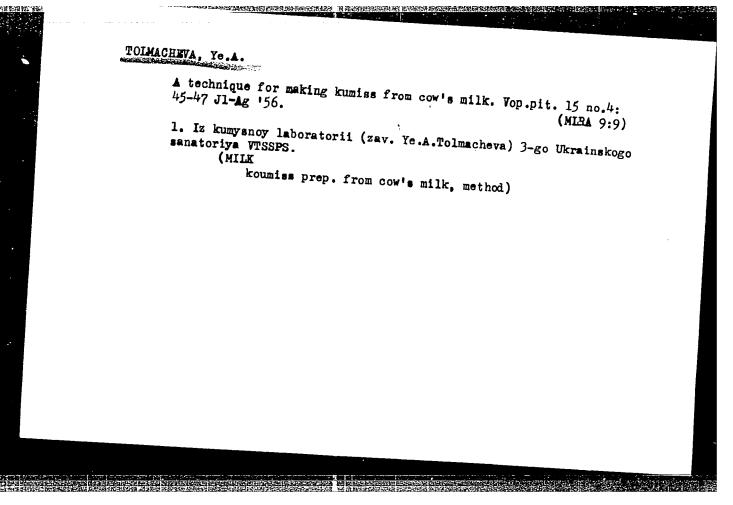


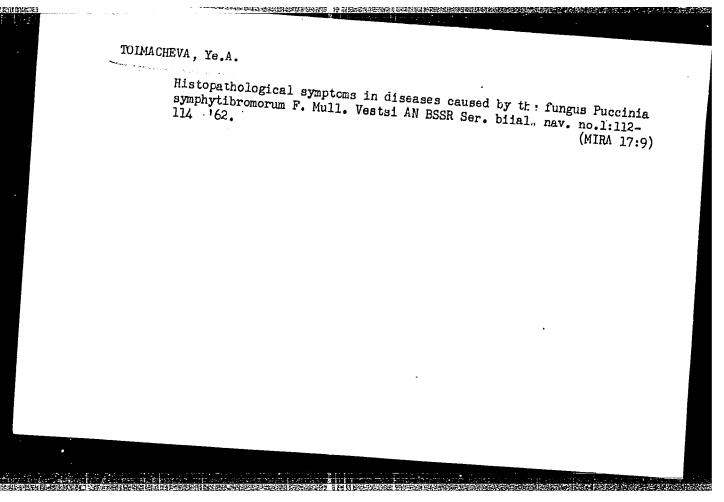
TOLMACHEVA, Ye.A. [Talmachova, E.A.]

Morphological and anatomic changes in the structure of plants injured by rust fungi. Vestsi AN RSSR.Ser.bdial.nav. no.2:50-55 '62.

(RUSTS (FUNGI))

(MIRA 15:8)





TOLMACHEVA, Yu.A.; DAVYDOV, A.T.

Exchange of sulfate ions for a mixture of chloride and iodide ions on an H-O anion exchanger under dynamic conditions. Zhur.1. Kharlian-ld. (MIRA 15:8)

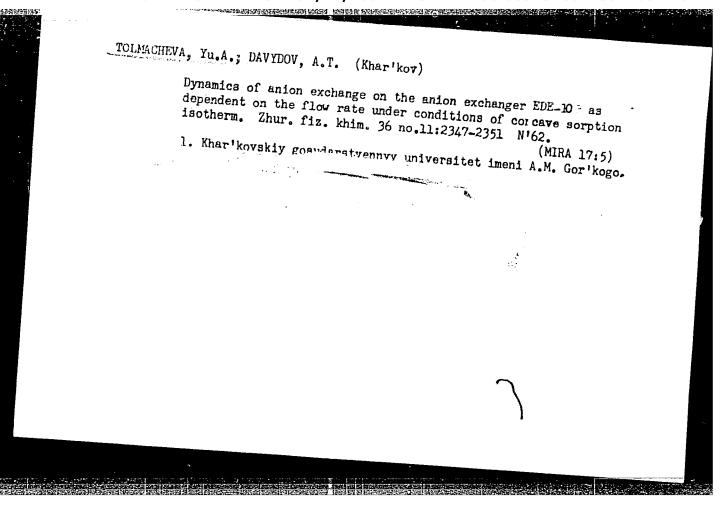
1. Khar'kovskiy gosudarstvennyy universitet imeni A.M.Gor'kogo.
(Ion exchange) (Sulfates) (Halides)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110014-5"

TOLMACHEVA, Yu.A.; DAVYDOV, A.T.

Univalent ion exchange on an H = O anion exchanger occurring under dynamic conditions as dependent on the grain size of the anion exchanger. Zhur, fiz. khim. 36 no.1:148-152 Ja 162.

1. Khar'kovskiy gosudarstvennyy universitet im. Gor'kogo, Nauchno-issledovatel'skiy institut khimii. (Ion exchange)



Comparative study of sodium and hydrogen ion exchange by calcium, zinc, cadmium, lead, and copper ions using KU-2 SBS-1 and KB-4p-2 8 no.1:55-59 '65.

1. Khar'kovskiy gosudarstvennyy universitet imeni Gor'kogo, kafedra obshchey khimii.

THE PROPERTY OF THE RESERVE OF THE PROPERTY OF

TOLMACHEVA, Yu. A.; DAVYDOV. A. T.

Exchange of monovalent ions on the EDE_10P anion exchanger under dynamic conditions depending on the rate of solution flow and size of the anion exchanger grain. Zhur. fiz. khim. 36 no.12:2653-2658 D '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut khimii i Khar'kovskiy gosudarstvennyy universitet imeni A. M. Gor'kogo.

(Ion exchange)

TOLMACHEVA, Yu.A.; DAVYDOV, A.T.

Study of the exchange dynamics of univalent anions on the EDE-10P anion exchanger based on the rate of solution flow. Izv.vys.uch.zav.; khim.i khim.tekh. 5 no.4:579-584 (MIRA 15:12)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M. Gor'kogo, kafedra obshchey khimii. (Ion exchange)

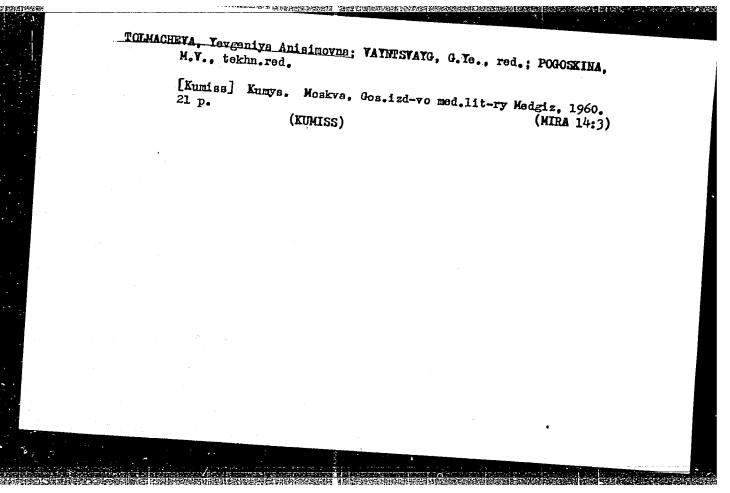
TOLMACHEVA, Yu.A.; DAVY DOV, A.T. (Kharkov)

118.2 HE 12

Exchange of sulfate ions for chloride and iodide ions on exchanger N=0 under flow conditions. Zhur.fiz.khim. 34 no.6:1260-1264 Je '60. (MIRA 13:7)

1. Khar'kovskiy gosudarstvennyy universitet im. A.M. Gor'kogo, Institut khimii.

(Ion exchange)



TOLMACHEVA, Yu.A.; DAVYDOV, A.T.

Study of univalent ion exchange on an H - O anion exchanger under dynamic conditions at various flow rates. Zhur.fiz.khim. 35 no.9:

1. Nauchno-issledovatel'skiy institut khimii Khar'kovskogo gosudarstvennogo universiteta imeni A.M. Gor'kogo.

(Ion exchange)

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110014-5 THE RESERVE OF THE PROPERTY OF

5(4) AUTHORS: Davydov, A. T., Tolmacheva, Yu. A. TITLE: Investigation of the Dynamics of Ion Exchange on Sulfocarbon (Issledovaniye dinamiki ionnogo obmena na sul'fougle) PERIODICAL: Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 4, pp 858-862 ABSTRACT: The exchange of hydrogen ions with potassium ions under static The exchange of hydrogen long with potassium long under static daynamic conditions was investigated in sulphonated carbon manufactured carbon and an arrangemental manufactured carbon arrangement of the conditions are carbon arrangement of the carbon ar and dynamic conditions was investigated in surpnonated cardo (SC). The experimental results obtained were explained from the viewpoint of the dynamic theory of ion exchange of monovalent ions by 0. M. Todes and v. v. Rachinskiy (Refs 8-11). The (SC) applied exhibited a dispersity of 0.25 - 0.50 mm in air-dry state and was saturated with hydrogen ions. The method of determining the capacity of the sorbent is described. The or determining the capacity or the sorbent is described. The exchange constant (EC) was computed according to an equation exchange constant (EU) was computed according to an equation of the computed according to an equation of the content of the content to the content of the c chromatogram columns with different layers of the sorbent were used for the investigations under dynamic conditions, a 0.01 n KC1-solution was let through and the velocity of motion of the ototion of the man value of the velocity of motion of the velocity of the velocity of motion of the velocity of the velocity of motion of the velocity of the velocity of the velocity of motion of the velocity of the v the stationary front was determined (Table 2). Its mean value Card 1/2 was 0.068 cm/min. By means of the equations derived by 0. M.

804/76-33-4-17/32

Investigation of the Dynamics of Ion Exchange on Sulfocarbon

Todes and V. V. Rachinskiy the filtration cross section within the sorbent was computed (Table 3) as well as the dynamic coefficient, the coefficient of sorption velocity and the curve of the yield (in the concentration range 0.1 $\leqslant \varphi \leqslant$ 0.9) (Fig 1). The rules observed experimentally could be satisfactorily reproduced by the above-mentioned equations. In conclusion the authors thank V. V. Rachinskiy. There are 2 figures, 3 tables, and 13 Soviet references.

ASSOCIATION: Khar'kovskiy gosudarstvennyy universitet im. A. M. Gor'kogo

(Khar'kov State University imeni A. M. Gor'kiy)

SUBMITTED: September 25, 1957

Card 2/2

TOLMACHEVA, Yu.M., prof., doktor khim.nauk, red.

[Radiochemical analysis of fission products; collected articles]
Radiokhimicheskii analiz produktov deleniia; sbornik statei.
Moskva, 1960. 134 p. (MIRA 13:7)

1. Akademiya nauk SSSR. Radiyevyy institut.
(Radiochemistry) (Fission products)

TOLMACHEVA, Z.I., kand. tekhn. nauk

Interpretation possibilities of oblique aerial photographs. Izv. vys.ucheb.zav.; geod.i aerof. no.6:113-116 161. (Photographic interpretation)

s/659/62/008/000/014/028 1048/1248

Yeremenko, V.N., Tolmacheva, Z.J., and Velikanova, T.Ya.

On the structure of titanium carbide alloys with nickel, AUTHORS:

chromium, and molybdenum TITIE:

Akademiya nauk SSSR. Institut metallurgii, Issledovaniya po zharoprochnym splavam. v.8. 1962. 95-102 SOURCE:

TEXT: The systems Ti-C-Ni, Ti-C-Cr, and Ti-C-Mo were studied in an attempt to determine the true phase composition of cermets containatempt to determine the true phase composition of cermets. attempt to determine the true phase composition of cormets containing TiC with Ni, Cr, or Mo. The solubility of Ni in TiC at 1000-ing TiC with Ni, Cr, or Mo. The solubility of Ni in TiC at 1000-ing TiC with Ni, Cr, or Mo. The solubility of Ni in TiC at 1000-ing TiC Ni in TiC at 1000-ing Ni ing Ni in 3000 kg./sq.cm. The section TiC-Ni through the Ti-C-Ni system; as well as the TiC-Cr and TiC-Mo sections through the respective terwell as the Tic-or and Tic-mo sections through the respective ternary systems, are quasihinary; the melting of alloys containing nary systems, are quasihinary; the melting of alloys containing over 5% Ni starts at 1280-1300°C. In the system Ti-C-Cr, the formation of a new phase, Cr₂₃°C, is observed when small amounts of TiC ation of a new phase, Cr₂₃°C, is observed when small amounts of TiC ation of a new phase, Cr₂₃°C, is observed when small amounts of TiC ation of a new phase, Cr₂₃°C, is observed when small amounts of TiC ation of a new phase, Cr₂₃°C, is observed when small amounts of TiC ation of a new phase, Cr₂₃°C, is observed when small amounts of the system of the system of the containing and the respective terman and the system of the system are added to Cr; the TiC-Cr alloy containing 20% Cr is composed of

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S/659/62/008/000/014/028 I048/I248

On the structure of titanium...

three phases whose microhardness (300, 1000, and 3000 kg.sq.cm.) corresponds to that of solid solutions based on Cr, chromium carbide, and TiC respectively. TiC-Cr alloys containing 52.85 and 63.0% Cr are composed of two phases - Cr-based and TiC-based solid solutions. All alloys in the system Ti-C-Mo are composed of two phases, with microhardnesses of 300 and 2400 kg./sq.cm.; x-ray data reveals that these are Mo-based and TiC-based solid solutions. The experimental data for this system disagrees with the data of Albert and Norton (Planseeberichte fur Pulvermetallurgie, 4, 2, 1956), according to which a Mo₂C-based solid solution exists in the system. There are 7 figures and 1 table.

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APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001756110014-5"

S/137/62/000/001/122/237 A052/A101

AUTHORS:

Yeremenko, V.N., Tolmacheva, Z.I.

TITLE:

On the triangulation of the system titanium-carbon-chromium

PERIODICAL:

Referativnyy zhurnal. Metallurgiya, no. 1, 1962, 6, abstract 1142 (Poroshk. metallurgiya, no. 2, 1961, 30 - 34, English summary)

TEXT: For determining the triangulation of the system Ti-C-Cr, alloys of Ti with Cr₂C₂ and Cr₇C₃ and of TiC with Cr were studied. The investigation was carried out by the method of metallographic analysis. It is shown that the TiC-Cr section in the Ti-C-Cr system is a quasibinary one. There are 8 references. See also RZhMet, 1961, 11Zh152.

Z. Rogachevskaya

[Abstracter's note: Complete translation]

Card 1/1

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S/137/61/000/011/072/123 A060/A101

18.1285

Yeremenko, V.N., Tolmacheva, Z.I.

TITLE:

AUTHORS:

On triangulating the system titanium-carbon-nickel

PERIODICAL:

Referativnyy zhurnal. Metallurgiya, no. 11, 1961, 25, abstract 11Zh152 ("Poroshk. metallurgiya", 1961, no. 2, 21-29, English

summary)

TEXT: To determine the triangulation of the system Ti-C-Ni, alloys were investigated whose compositions lie upon the intersection of the sections TiC-Ni and Ti₂-Ni-C, TiNi-C, TiNi₃-C. The solubility of Ni in TiC in the solid state was determined. The alloys with composition Ti₂Ni, TiNi, and TiNi₃ were preliminarily smelted in an arc furnace, and then were alloyed with graphite of high purity. The investigation was carried out by the methods of metallographic and X-ray analyses. It was demonstrated that the system Ti-C-Ni is quasi-binary, and a diagram was constructed for the system TiC-Ni. The Ni solubility in TiC in the solid state constitutes 0.7-0.8% and does not vary with the temperature in the interval 1,000-1,280°C. There are 9 references.

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001756110014-5"

TOLMACHEVA, Z.I. Reflection on topographic maps of seasonal fluctuations of lakes of arid regions. Vop.geog. no.34:125-130 '54. (MLRA 7:12)

(Lakes) (Topographical drawing -- Conventional signs)

S/081/62/000/008/009/057 B166/B101

AUTHORS:

Teremenko, V. N., Tolmacheva, Z. I.

TITLE:

The triangulation of the system titanium - carbon - nickel

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 8, 1962, 46, abstract

8B320 (Poroshk. metallurgiya, no. 2, 1961, 21-29)

TEXT: The diagram of the quasibinary system TiC - Ni is constructed on the basis of published data as well as the data from the present investigation. On the basis of metallographic and x-ray diffraction studies it is shown that the solubility of Ni and TiC does not vary with temperature and amounts to 0.7-0.8 % Ni by weight. [Abstracter's note: Complete translation.]

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36438

S/137/62/000/003/074/191 A006/A101

15.2240

AUTHORS:

Yeremenko, V.N., Tolmacheva, Z.I.

TITLE:

Solubility of chromium and chromium carbides in titanium carbide

in solid state

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 44, abstract 30309 ("Poroshk. metallurgiya", 1961, no. 4, 31 - 36, English summary)

The authors analyzed the possibility of dissolving Cr and Cr car-TEXT: bides in Ti carbide, based on notions of deficiencies in the TiC lattice. Alloys TiC-Cr, TiC-Cr3C2, TiC-Cr23C6, TiC-Cr7C3 were prepared by methods of hot pressing and sintering of the pressed blanks, with subsequent homogenizing annealing. A metallographical analysis of the alloys obtained has shown that at up to 6 - 6.5 weight percent Cr, all the alloys are single-phase ones, i.e., solubility of Cr and Cr carbide in TiC on conversion to the Cr content is equal and does not depend on the temperature in the investigated range. It is shown that at temperatures up to about 0.5 T_{melting} of a refractory component, the solubility of metal in metallic compounds changes insignificantly in the majority of cases. [Abstracter's note: Complete translation]

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